

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B7/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E21B B24C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 510 907 B1 (BLANGE JAN JETTE) 28 January 2003 (2003-01-28) cited in the application column 2, line 56 – column 3, line 5; figures 1,4,5 -----	1-9
Y	US 3 831 753 A (GAYLORD E ET AL) 27 August 1974 (1974-08-27) column 1, line 7 – line 10	1-6
A	column 2, line 37 – line 60 column 3, line 14 – line 36; figures 1,2 -----	7-9
Y	DE 20 52 516 A (SELLNOW W) 27 April 1972 (1972-04-27) page 4, line 16 – page 5, line 21; figures 1-3 -----	7-9
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- *&* document member of the same patent family

Date of the actual completion of the international search

17 September 2004

Date of mailing of the international search report

24/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bellingacci, F

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 375 886 A (MORI ERNEST A ET AL) 2 April 1968 (1968-04-02) the whole document -----	1
A	US 3 416 614 A (MORI ERNEST A ET AL) 17 December 1968 (1968-12-17) the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051404

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6510907	B1	28-01-2003	AU AU BR CA CN EA EG WO EP NO	762490 B2 4564300 A 0010111 A 2384305 A1 1349585 T 2542 B1 22653 A 0066872 A1 1175546 A1 20015170 A		26-06-2003 17-11-2000 19-02-2002 09-11-2000 15-05-2002 27-06-2002 31-05-2003 09-11-2000 30-01-2002 23-10-2001
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US 3416614	A	17-12-1968	NONE			